

AMINES AND UREA

1.

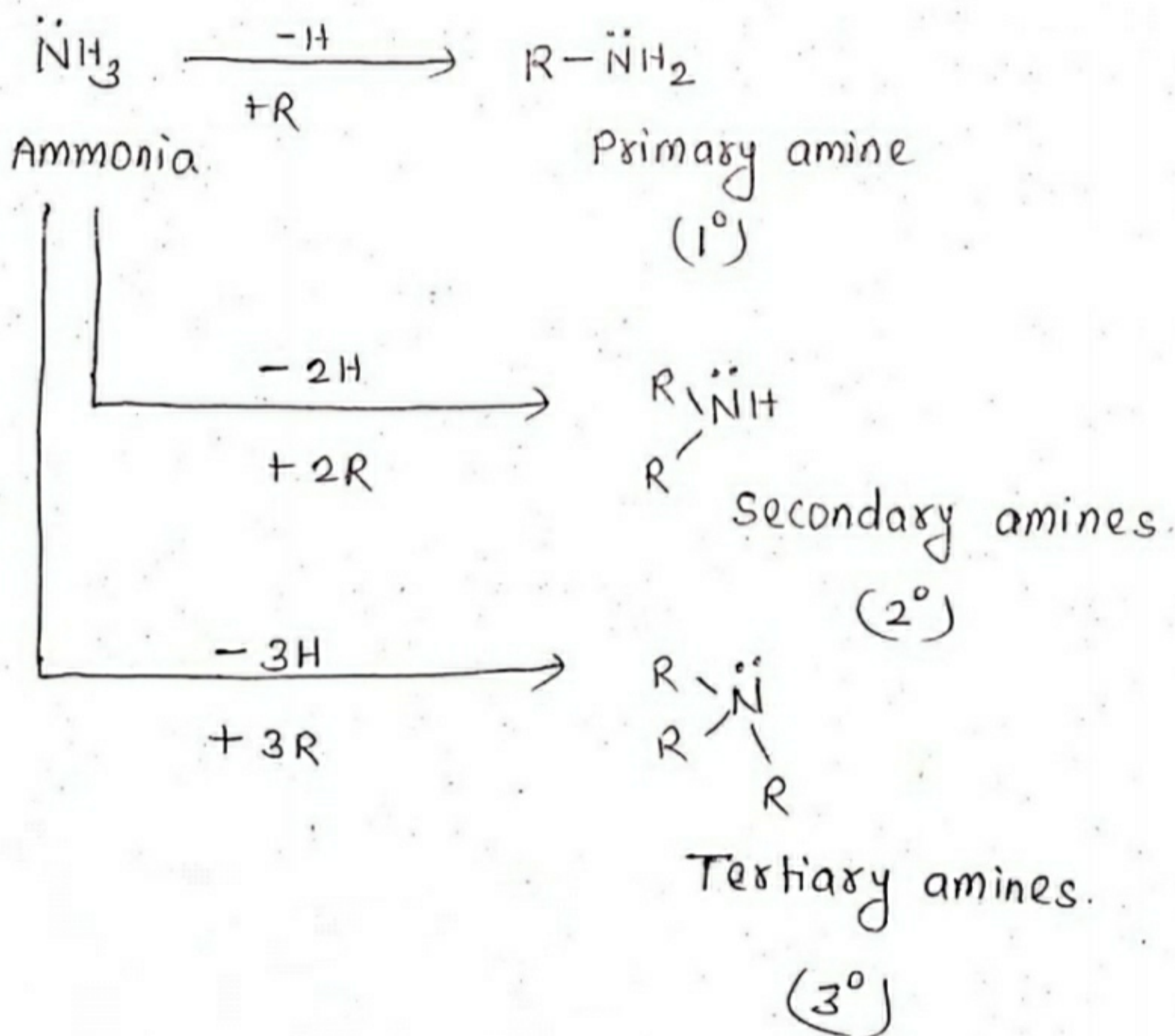
07-04-2021 (Lecture-1)

D-I(Hons.)
paper - II
Group - B
Chapter-4

TOPIC - Structure, Classification
And
Nomenclature of Amines

Aliphatic Amines

Alkyl derivative of ammonia (NH_3) is called Aliphatic amines.



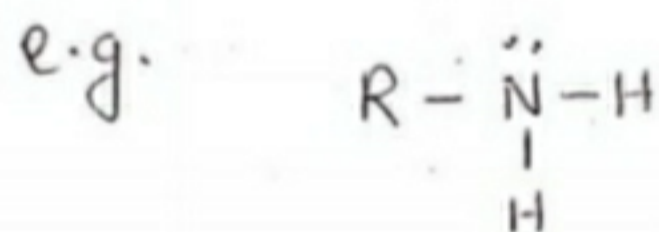
CLASSIFICATION OF AMINES

2.

Amines are classified as primary (1°), secondary (2°) or Tertiary (3°) according to the number of alkyl groups attached to the nitrogen atom.

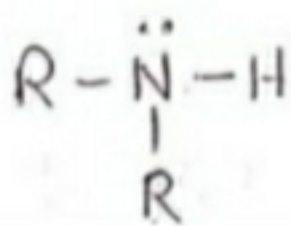
PRIMARY AMINE

It has only one alkyl group directly attached to the nitrogen.



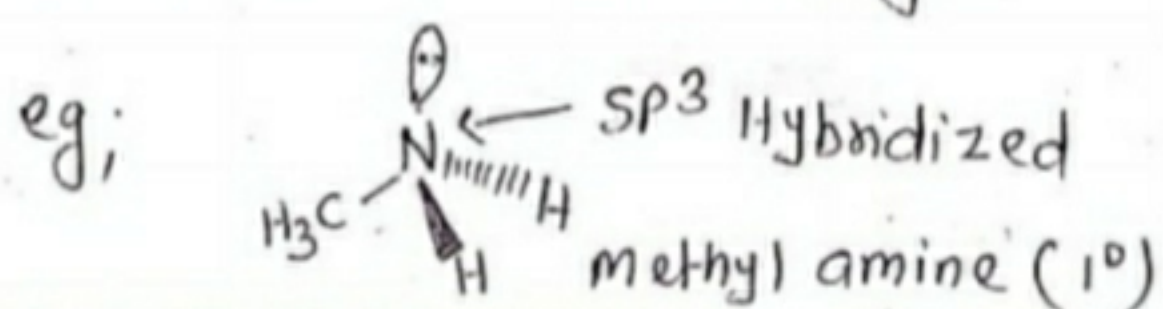
SECONDARY AMINE

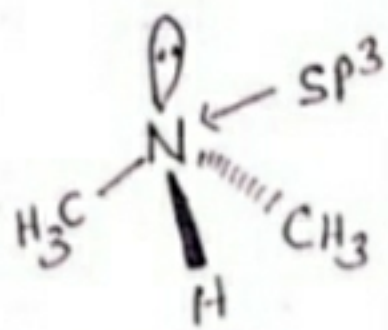
It has two alkyl groups directly attached to the nitrogen.



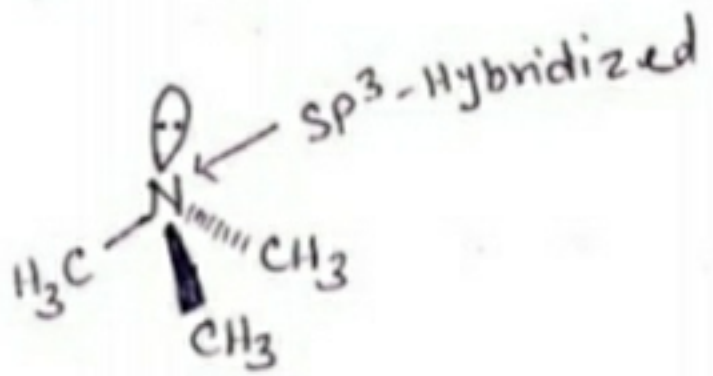
TERTIARY AMINE

A tertiary amine has three alkyl groups directly attached to the nitrogen.





Dimethylamine
(2°)



Trimethylamine
(3°)

To be continued in next lecture.....